INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/13389

		PCI/UE	203/13389	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F16F15/16, B30B15/06, B2	301/16			
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system follow Int.Cl ⁷ F16F15/16, B30B15/06, B2	ed by classification symbols) 3Q1/16			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004				
Kokai Jitsuyo Shinan Koho 1971—2004 Toroku Jitsuyo Shinan Koho 1994—2004				
Electronic data base consulted during the international search (n	ame of data base and, where p	oracticable, sear	ch terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category* Citation of document, with indication, where	•	assages	Relevant to claim No.	
Y US 5544576 A (SANKYO SEISAN 13 August, 1996 (13.08.96), Full text; Figs. 5, 6 & JP 7-116897 A Full text; Figs. 5, 6 & DE 4437958 A & K & IT 94840855 A	R 160532 B		1-5	
Y US 5544577 A (SANKYO SEISAR 13 August, 1996 (13.08.96), Full text; Figs. 5 to 8 & JP 7-116898 A Full text; Figs. 5 to 8 & DE 4437957 A & K & IT 94840856 A	R 160534 B		1-5	
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Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents: A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O" document referring to an oral disclosure, use, exhibition or other means P" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be repriority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be step when the document is laken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 27 January, 2004 (27.01.04)				
Name and mailing address of the ISA/ Japanese Patent Office	and mailing address of the ISA/ Authorized officer Apanese Patent Office			
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant	ent passages	Relevant to claim No.		
Y	JP 2001-277059 A (Canon Inc.), 09 October, 2001 (09.10.01), Full text; all drawings (Family: none)		4		
Y	DE 2264974 A (FRIED KURUPP GMBH.), 09 October, 1975 (09.10.75), Full text; all drawings (Family: none)		1-5		
A	EP 1083364 A (UNISIA JECS CORP.), 14 March, 2001 (14.03.01), Figs. 1 to 3 & JP 2000-283236 A Figs. 1 to 3 & WO 00/58643 A		1,5		
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